Assessment Training September 24-27, 2007 Green River Regional Educational Cooperative Facilitated by: Catherine Garrison Facilitated by: Catherine Garrison Facilitated by: Catherine Garrison Distinguish between Formative and Summative assessment; Recognize the 5 Key Strategies and discuss their importance for establishing Formative Assessment practices in my classroom; Describe the data points for Triangulation and how they relate to collecting information about student learning; Establish Criteria based on Learning Targets and understand why engaging students in this process activates them as learners;	September 24-27, 2007 Green River Regional Educational Cooperative Facilitated by: Catherine Garrison Today's Targets: can:
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□ Provide Descriptive Feedback to move my students forward in their learning.	establishing Formative Assessment practices in my classroom; □Describe the data points for <i>Triangulation</i> and how they relate to collecting information about student learning; □Establish <i>Criteria</i> based on <i>Learning Targets</i> and understand why engaging students in this process activates them as learners; and □Provide <i>Descriptive Feedback</i> to move my students forward in their learning.

- ☐ Use the graphic organizers to write what you already know about both Formative and Summative Assessment.
- ☐ Choose a partner to share with and write more based on your conversation.
- ☐ Watch the 10 minute video from Rick Stiggins.
- ☐ Revisit your graphic organizer and fill in any gaps.
- ☐ Be prepared to share with the whole group.



Three Types of Assessment

	Summative	Benchmark	Formative
Key Question	Do you understand? (yes or no)	Is the class on track for proficiency?	What do you understand?
When Asked	End of unit/ term/year	6 – 10 times per year	Ongoing
Timing of Results	After instruction ends	Slight delay	Immediate

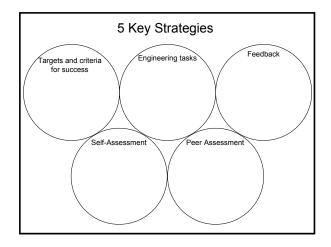
Tasting	the	Soup
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When the cook tastes the soup, that's formative assessment.

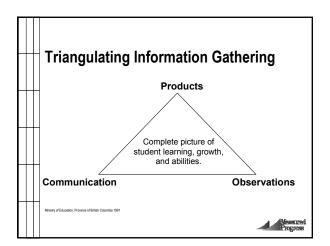
When the customer tastes the soup, that's summative assessment.

Black (1998)





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	The 5 Key Strategies of	
+	Formative Assessment	
	☐ Clarifying and sharing learning intentions and criteria for	
	success □ Engineering effective classroom discussions, questions,	
	and learning tasks	
	☐ Providing feedback that moves learners forward ☐ Activating students as the owners of their own learning	
	☐ Activating students as instructional resources for one another	
	From "Classroom Assessment: Minute by Minute, Day by Day" Leahy, Lyon, Thompson, William. 2005.	
	Monares Progress	
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1	Clarifying and Sharing Learning	
	Intentions and Criteria for Success	
+	Ask:	
	☐ Do my students know and can they articulate what	
+	they are learning?	
	☐ Do my students know what quality work looks like and what my expectations are?	
	☐ Do my students know what they need to do to be	
	successful?	
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	Engineering Effective Classroom	
	Discussions, Questions and Learning	
	Tasks	
	Ask: ☐ Do I provide opportunity for students to engage in	
	discussions about their learning with me and/or between peers?	
	☐ Do I write questions, both oral and written, that take students' thinking to deeper levels and provides me with more information about how much they may know?	
	☐ Do I create a variety of tasks based on targeted goals to	
+	engage students in multiple ways during the learning process?	
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Providing Feedback That Moves Learners Forward Ask: Do I allow for ungraded practice? Do I describe for individual students what their next steps need to be to move forward? Do I base my feedback on previously established targets and criteria for success?

Activating Students as the Owners of Their Own Learning Ask: Do I engage students in the process of setting criteria? Do I provide opportunity for students to self-assess using previously established criteria and exemplars? Do I expect students to keep records of their learning so they can articulate to others about their progress?

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Activating Students as Instructional	
Resources for One Another	
Ask:	-
☐ Do I have a classroom culture where students	
accept each other as resources for information? Do I provide opportunity for students to work	
together using previously established criteria and	
exemplars as a guide to success?	
☐ Do students engage each other in discussions about their work evaluating it using criteria and	
exemplars?	
A Segret	
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Tangram Activity	
□ Each table group needs to choose one person who will	
function as the teacher. Others at the able will be the students.	
☐ The teacher will write the students' names on the	
Observation Checklist Template.	
☐ We will determine the target and criteria based on the task and the teacher will write those on the template.	
☐ The students will engage in the task INDIVIDUALLY	
and the teacher will record what is observed.	
☐ That teacher will provide feedback to the students.	
A Property	
│	
Each student will have one set of 7 Tangrams. Before task:	
☐ Please find the square and hold it up. If you are not sure	
ask your neighbor.	
☐ How do we know this is square? Does anyone know what shape this is (triangle)? How do we know this is	
not a square?	
Task: What are all of the ways that you can make squares using	
the Tangram pieces? Do this by yourself first; we will share our ideas when we are done.	
Silate out lucas when we are dolle.	

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	2-3 Task	
Ш	Each student will have one set of 7 Tangrams.	
	Before task:	
Ш	☐ Please find the square and hold it up.	
	☐ How do know we this is square? Does anyone know	
	what shape this is (parallelogram)? How do we know	
	this is not a square?	
	Task:	
\Box	What are all of the ways that you can make squares using	
	the Tangram pieces? Do this by yourself first; we will	
Н	share our ideas when we are done.	
	4 Alfenned	
	Topics .	
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	4-5 Task	
Ш	Each student will have one set of 7 Tangrams.	
	Before task:	
	Please find the parallelogram and hold it up. If you are not sure ask a neighbor.	
	☐ Even though a parallelogram has four sides, what makes it different from a square?	
\mathbf{H}	Task: Jane has made a square cake which she has cut into 7strange	
	pieces.	
Ш	Recreate her unusual cake with your seven Tangram pieces. Do this by yourself.	
	If Jane sells the square piece for a dollar how much should she charge for each of the other pieces? Be prepared to share your	
	answer with your teacher.	
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	6-8 Task	
П	Each student will have one set of 7 Tangrams.	
	Before task:	
H	☐ Please find the parallelogram and hold it up.☐ Even though a parallelogram has four sides, what makes it	
	different from a square?	
\mathbb{H}	. Task:	
	A. Using all 7 pieces in your Tangram set, make a square.	
	B. If all of the pieces together represent 100%, which pieces could	
	be used to represent 50%?	
	C. How many different ways can you choose pieces to represent 50%?	
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	A Secured	
Ш	Topos	

Tangram Task as a Group Activity ☐ If the same task were to be used with a small group, how would the criteria change? ☐ How would the feedback change? The Learning Gap Formative assessment is the means to identify the "gap" between a learner's current status and the desired learning goal. Different students will have different "gaps" Sadler, 1989 The linchpin of Formative Assessment classroom practice is feedback. This is how students move forward and close their gaps. Feedback vs. Grades/Marks ☐ Grades/Marks: Students first look at theirs and then their neighbors. ☐ Grades/Marks and Comments: Students ignore the comment and look only at the grade/mark. ☐ Comments Only: Students can reflect on their learning and are spurred by specific insight on what they can do differently next time.

	All Feedback Is Not Created Equal	
	"A bland, non-helpful comment such as 'Good work, Jaspaul, this is much neater and seems to show that you have tried hard' will not show any significant	
	change in attainment because it says nothing about the individual's learning Students are not good at knowing how much they are learning, often because we as teachers do not tell them in an appropriate	
	way." Derek. Century Island School Assessment for Learning, 2005	-
	A Mass media	
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	Grades and Grading	
	☐ How many of you would have passed your driving test if it were the first time you had been behind the wheel of a car?	
	☐ How many of you would have passed your driving test if every practice had received a grade based on your errors and they were averaged together?	
	For example: Out of 3 practice drives you: — On the first one put the car in reverse instead of drive and	
	were given a 0 and no opportunity to make it up. — Hit the curb on the next and were given 50% and no opportunity to try again.	
	— Did fine on the third and received 85% — Average: 45	
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H	Grades and Grading	
	☐ When grades are given, they should be reflective of	-
	specific standards (dimensions) and/or targets.	
	When multiple dimensions are tested and the grade is averaged, there is no clear picture of what a student	
	understands and does not understand. A well designed summative assessment that clearly	
+	delineates specific dimensions, can be used to set	
	goals for student learning and offer the appropriate method for further differentiation.	
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Example:

	Dimension A	Dimension B	Total Score
Student 1	2	10	12
Student 2	10	2	12
Student 3	6	6	12

Test of 20 items

- -Dimension A: 10 items are specific to addition and subtraction
- -Dimension B: 10 items, not related to Dimension A, geometric figures

From: Classroom Assessment & Grading that Work", Robert Marzano 2006.

Evaluative and Descriptive Feedback—Examples

Evaluative Feedback:

7/10 0

"Good work." "You've done well." Descriptive Feedback:

"You have answered these problems correctly. For these two, you did not carry the place value over to the next column and add it in. When adding multiple digit numbers next time, be sure you remember to carry the place value over before you add. Use a partner to help you check your work"



Descriptive Feedback Activity

- ☐ Each table group will be asked to respond to a specific piece of student work.
- ☐ Read through the question and corresponding scoring guide.
- ☐ Create descriptive feedback using the template and then transfer the feedback onto chart paper for posting.
- ☐ Be sure to label your feedback with appropriate grade level and score point so others can identify them.



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Multiple-Choice Example	
Maria had 8 crayons in a box. She took 2 crayons out of the box. How many crayons are left in the box? a. 2	
b. 6 c. 8	
_ d. 10	
Manusia Progress	
T	
Multiple-Choice Example	
Sam has 4 toy trucks. Dale has 6 toy trucks. Which number sentence shows how to find out how many toy trucks Sam and Dale have	
altogether? a. 4 + 2 b. 4 + 6	
c. 6 - 4 d. 4 - 2	
Searce Progress	
Multiple-Choice Example	
Debbie keeps her marble collection in a jar. Of the 50 marbles in	

Debbie keeps her marble collection in a jar. Of the 50 marbles in the jar, 15 are red, 10 are blue, 20 are green, and 5 are yellow. Debbie randomly chooses 30 marbles from the jar. How many of these marbles can she expect to be red?

- A. 3 marbles
- B. 6 marbles
- C. 9 marbles
- D. 12 marbles

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Multiple-Choice Format	
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A school bus holds 36 high school students. If 1,128 high school students are being bused to a special event, how	
many buses are needed?	
b. 31	-
c. 31.33	
d. 32	
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Work Between Now and February	
☐ Read the article Classroom Assessment: Minute by	
Minute, Day by Day. Respond to these two questions;	
☐ What did you read in this article that is reflective of your current classroom assessment practices?	
What makes these formative assessment strategies and techniques instead of just good teaching techniques?	
☐ Engage your students in criteria setting. Reflect on the	
process and be prepared to share your findings.	-
☐ Choose a specific classroom task/assignment to	
respond to using descriptive feedback. Bring samples with you next time and be prepared to reflect and discuss with your table group.	
Consumed Progress	
+	
Thank you for your participation!	
See you in February.	
 	
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